

Serial No.: 09/890,027

Art Unit: 1734

Examiner: M. Lazor

Date: January 16, 2004

IN THE CLAIMS:

Please amend the claims as follows:

1. (Currently Amended) A color changing apparatus for multiple color coating of conductive coating material, wherein comprising a first pipe joint ~~is provided to be~~ movable on a guide rail and an electrostatic spray device connected to said first pipe joint through a pipeline ~~are provided~~; a plurality of coating material supply circulation circuits are provided, each including a respective liquid tank for holding a coating material source, a pump and a movable second pipe joint that can be selectively engaged with said first pipe joint, the liquid tank and the pump and said second pipe joint being connected through a pipeline: wherein when said first pipe joint is selectively engaged with one of said plurality of second pipe joints said first pipe joint and the others of said plurality of second pipe joint in the plurality of coating material supply circulation circuits are disengaged from each other, wherein at least one of said movable second pipe joint is electrically grounded when disengaged from said first pipe joint and electrical ungrounded when engaged with said first pipe joint.
2. (Currently Amended) The apparatus of claim 1 wherein at least one of said liquid tanks is for holding a source of electrically conductive, coating material, said at least one liquid tank is selectively insulable isolated from ground.
3. (Previously Presented) The apparatus of claim 2 further comprising a power supply for applying an electric charge to said electrically conductive coating material discharged from said spray device and a voltage block which electrically isolates said liquid tank which is transmitting the electrically conductive coating material to said spray device from electrical ground.
4. (Previously Presented) The apparatus of claim 3 wherein said voltage block electrically isolates from said spray device said liquid tanks which are not transmitting coating material to said spray device.

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5. (Currently Amended) The apparatus of claim 1 further comprising a relay for each of said supply circulation circuits, wherein each of the liquid tanks is selectively electrically insulable isolated from ground and selectively grounded groundable.

6. (Original) The apparatus of claim 1 further comprising a drive for moving the guide rail.

7. (Original) The apparatus of claim 6 wherein the drive comprises a hydraulic operable cylinder.

8. (Currently Amended) The apparatus of claim 1 further comprising a check valve for each of said pipe joints, such that coating material flow is allowed when said first pipe joint is connected with a respective one of said plurality of second pipe joints and coating material flow is automatically stopped when the respective connected pipe joints are disconnected.

9. (Original) The apparatus of claim 1 wherein each supply circulation circuit further comprises a pressure adjusting valve and circulation valve.

10. Cancelled.

11. Cancelled.

12. (Previously Presented) The apparatus of claim 1 wherein each said movable second pipe joint moves in a direction that is generally transverse a direction of movement of said first pipe joint to engage therewith and disengage therefrom.

13-14. Cancelled.